


Advisory Information – Accessories		
MOD-19-2281	Antennas for use with the SC21 Series Handheld	

Intended Audience

All Sepura Sales staff, Sepura Customer support and Sepura Channel Partners.

Summary

This notification is to inform you of the recent changes to the available antennas for use with the Sepura SC21 series of Handheld Terminals.

Details

The SC21 product range is available with a wide choice of antennas. These are selected depending on the operational frequency band, the carrying position of the hand-portable and even the level of RF coverage of the network.

Fully tested to meet Sepura's rigorous mechanical robustness and reliability criteria, all antennas have been fully optimised for use either as belt or label worn when operating in conjunction with the range of SC2 audio accessories.

Part numbers and descriptions including operation frequency bands and performance indicators are shown below:

ANTENNA TYPES AND PART NUMBERS

380 – 430MHz			
Description	Existing	Replaced by	Availability
SC21 Extended helical 380-430MHz	300-01931	310-00014	Now
SC21 Compressed helical 385-430MHz	300-01932		Now
SC21 1/4 wave 380-470MHz	310-00015		Now

420 – 470MHz			
Description	Existing	Replaced by	Availability
SC21 Extended helical 420-470MHz	300-01960	330-00016	Restricted sales to EU available now. US/Canada sale available from Sept 2019

806-870MHz			
Description	Existing	Replaced by	Availability
SC21 1/4 wave 806-870MHz	300-01924	350-00007	Replacement available from Sept 2019

Details of specialist antennas for covert use are available on request.


General characteristics

VSWR at resonance $\leq 1.5:1$

Connector type = M6 stud

Operational temperature range = - 20°C to +55°C (useable range - 30°C to +75°C)

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Frequency MHz	Colour code	Centre Freq. MHz	Quarter wave whip/ >0dBi (approx.155mm)	Quarter wave/ >0dBi (approx.55mm)	Extended Helical/ >-1dBi (approx.55mm)	Compressed Helical/>-3dBi (approx.35mm)
380-430	Green	405			310-00014	
420-470	Yellow	445			330-00016	
806-870	Orange	838		350-00007		
380-470	Purple	405	310-00015			
385-430	Green	407				300-01932

Notes: - Nominal gain figures shown in the table are measured in free space at resonance. These figures will degrade when used close to the body with the amount of degradation dependant on various factors.

Prices & Availability

We are now able to take sales orders for these antennas. Please contact the Sepura order desk for details on pricing and availability.

Contact Details

For further details of these and other accessories available for use with the SC21, please contact

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